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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

Attorney Docket No.

551P01US-P2D1

First Inventor

N. Dawes

Title

Method of Determining The Topology of ...Objects

Express Mail Label No.

(Only for new nonprovisional applications under 37 CFR 1.53(b))

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 202311. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.3. ☒ Specification [Total Pages 70]
(preferred arrangement set forth below)

- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 3]

5. Oath or Declaration [Total Pages 3]

- a. ☐ Newly executed (original or copy)
b. ☒ Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)

i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b).

6. ☐ Application Data Sheet. See 37 CFR 1.767. ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)a. ☐ Computer Readable Form (CRF)

b. Specification Sequence Listing on:

i. ☐ CD-ROM or CD-R (2 copies); orii. ☐ paperc. ☐ Statements verifying identity of above copies**ACCOMPANYING APPLICATION PARTS**9. ☐ Assignment Papers (cover sheet & document(s))10. ☐ 37 CFR 3.73(b) Statement ☐ Power of
(when there is an assignee) Attorney11. ☐ English Translation Document (if applicable)12. ☒ Information Disclosure ☐ Copies of IDS
Statement (IDS)/PTO-1449 Citations13. ☐ Preliminary Amendment14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)16. ☐ Nonpublication Request under 35 U.S.C. 122
(b)(2)(B)(i). Applicant must attach form PTO/SB/35
or its equivalent, change of corres. add.17. ☒ Other: credit card payment form
Copy of Decision on Petition18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,
or in an Application Data Sheet under 37 CFR 1.76:☐ Continuation☒

Divisional

☐

Continuation-in-part (CIP)

of prior application No.: 08, 749,671

Prior application information:

Examiner:

Z. Maung

Group Art Unit: 2154

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under
Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.
The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS☐

Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or ☐

Correspondence address below

Name

Shapiro Cohen

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P.O. Box 3440

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City

Ottawa

State

ON

Zip Code

K1P 6P1

Country

Canada

Telephone

613 232 5300

Fax

613 563 9231

Name (Print/Type)

Harold C. Baker

Registration No. (Attorney/Agent)

19333

Signature

Date

02/05/2002

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on
the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC
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Washington, DC 20231.

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FEE TRANSMITTAL

for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT	(\$)	740.00
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Complete if Known

Application Number	unknown
Filing Date	
First Named Inventor	Dawes
Examiner Name	Z. Maung
Group Art Unit	2154
Attorney Docket No.	551P01US-P2D2

METHOD OF PAYMENT

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number	16-0600
Deposit Account Name	Shapiro Cohen

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17
- ☒ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ **Payment Enclosed:**

☐ Check ☒ Credit card ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

	Large Entity	Small Entity
1. Entity Type	Publicly traded company	Private company
2. Entity Size	Large	Small
3. Entity Complexity	Complex	Simple
4. Entity Risk	High	Low
5. Entity Control	Controlled by management	Controlled by owner
6. Entity Structure	Complex	Simple
7. Entity Location	Multiple locations	Single location
8. Entity Industry	Highly competitive	Lowly competitive
9. Entity History	Long history	Short history
10. Entity Reputation	High reputation	Low reputation
11. Entity Financials	High revenue	Low revenue
12. Entity Assets	High assets	Low assets
13. Entity Liabilities	High liabilities	Low liabilities
14. Entity Cash Flow	High cash flow	Low cash flow
15. Entity Profitability	High profitability	Low profitability
16. Entity Growth	High growth	Low growth
17. Entity Innovation	High innovation	Low innovation
18. Entity Customer Base	Large customer base	Small customer base
19. Entity Supplier Base	Large supplier base	Small supplier base
20. Entity Employee Base	Large employee base	Small employee base
21. Entity Market Share	High market share	Low market share
22. Entity Brand Value	High brand value	Low brand value
23. Entity Social Media Presence	High social media presence	Low social media presence
24. Entity Environmental Impact	High environmental impact	Low environmental impact
25. Entity Governance	High governance	Low governance
26. Entity Compliance	High compliance	Low compliance
27. Entity Risk Management	High risk management	Low risk management
28. Entity Internal Controls	High internal controls	Low internal controls
29. Entity Information Systems	High information systems	Low information systems
30. Entity Human Resources	High human resources	Low human resources
31. Entity Legal Affairs	High legal affairs	Low legal affairs
32. Entity Tax Affairs	High tax affairs	Low tax affairs
33. Entity Insurance	High insurance	Low insurance
34. Entity Credit Rating	High credit rating	Low credit rating
35. Entity Sustainability	High sustainability	Low sustainability
36. Entity ESG Rating	High ESG rating	Low ESG rating
37. Entity Board Composition	High board composition	Low board composition
38. Entity Executive Compensation	High executive compensation	Low executive compensation
39. Entity Shareholder Activism	High shareholder activism	Low shareholder activism
40. Entity Analyst Coverage	High analyst coverage	Low analyst coverage
41. Entity Institutional Ownership	High institutional ownership	Low institutional ownership
42. Entity Retail Investor Ownership	High retail investor ownership	Low retail investor ownership
43. Entity Debt Capital Structure	High debt capital structure	Low debt capital structure
44. Entity Equity Capital Structure	High equity capital structure	Low equity capital structure
45. Entity Dividend Policy	High dividend policy	Low dividend policy
46. Entity Share Repurchase Program	High share repurchase program	Low share repurchase program
47. Entity Mergers and Acquisitions	High mergers and acquisitions	Low mergers and acquisitions
48. Entity Joint Ventures	High joint ventures	Low joint ventures
49. Entity Strategic Partnerships	High strategic partnerships	Low strategic partnerships
50. Entity Industry Associations	High industry associations	Low industry associations
51. Entity Government Relations	High government relations	Low government relations
52. Entity Lobbying Activities	High lobbying activities	Low lobbying activities
53. Entity Political Contributions	High political contributions	Low political contributions
54. Entity Philanthropic Activities	High philanthropic activities	Low philanthropic activities
55. Entity Corporate Social Responsibility	High corporate social responsibility	Low corporate social responsibility
56. Entity Environmental, Social, and Governance (ESG) Reporting	High ESG reporting	Low ESG reporting
57. Entity Sustainability Reporting	High sustainability reporting	Low sustainability reporting
58. Entity Environmental Impact Reporting	High environmental impact reporting	Low environmental impact reporting
59. Entity Social Impact Reporting	High social impact reporting	Low social impact reporting
60. Entity Governance Reporting	High governance reporting	Low governance reporting
61. Entity Environmental Impact Assessment	High environmental impact assessment	Low environmental impact assessment
62. Entity Social Impact Assessment	High social impact assessment	Low social impact assessment
63. Entity Governance Assessment	High governance assessment	Low governance assessment
64. Entity Environmental Impact Management	High environmental impact management	Low environmental impact management
65. Entity Social Impact Management	High social impact management	Low social impact management
66. Entity Governance Management	High governance management	Low governance management
67. Entity Environmental Impact Monitoring	High environmental impact monitoring	Low environmental impact monitoring
68. Entity Social Impact Monitoring	High social impact monitoring	Low social impact monitoring
69. Entity Governance Monitoring	High governance monitoring	Low governance monitoring
70. Entity Environmental Impact Reporting and Monitoring	High environmental impact reporting and monitoring	Low environmental impact reporting and monitoring
71. Entity Social Impact Reporting and Monitoring	High social impact reporting and monitoring	Low social impact reporting and monitoring
72. Entity Governance Reporting and Monitoring	High governance reporting and monitoring	Low governance reporting and monitoring
73. Entity Environmental Impact Management and Monitoring	High environmental impact management and monitoring	Low environmental impact management and monitoring
74. Entity Social Impact Management and Monitoring	High social impact management and monitoring	Low social impact management and monitoring
75. Entity Governance Management and Monitoring	High governance management and monitoring	Low governance management and monitoring
76. Entity Environmental Impact Reporting, Management, and Monitoring	High environmental impact reporting, management, and monitoring	Low environmental impact reporting, management, and monitoring
77. Entity Social Impact Reporting, Management, and Monitoring	High social impact reporting, management, and monitoring	Low social impact reporting, management, and monitoring
78. Entity Governance Reporting, Management, and Monitoring	High governance reporting, management, and monitoring	Low governance reporting, management, and monitoring
79. Entity Environmental Impact Reporting, Management, and Monitoring	High environmental impact reporting, management, and monitoring	Low environmental impact reporting, management, and monitoring
80. Entity Social Impact Reporting, Management, and Monitoring	High social impact reporting, management, and monitoring	Low social impact reporting, management, and monitoring
81. Entity Governance Reporting, Management, and Monitoring	High governance reporting, management, and monitoring	Low governance reporting, management, and monitoring
82. Entity Environmental Impact Reporting, Management, and Monitoring	High environmental impact reporting, management, and monitoring	Low environmental impact reporting, management, and monitoring
83. Entity Social Impact Reporting, Management, and Monitoring	High social impact reporting, management, and monitoring	Low social impact reporting, management, and monitoring
84. Entity Governance Reporting, Management, and Monitoring	High governance reporting, management, and monitoring	Low governance reporting, management, and monitoring
85. Entity Environmental Impact Reporting, Management, and Monitoring	High environmental impact reporting, management, and monitoring	Low environmental impact reporting, management, and monitoring
86. Entity Social Impact Reporting, Management, and Monitoring	High social impact reporting, management, and monitoring	Low social impact reporting, management, and monitoring
87. Entity Governance Reporting, Management, and Monitoring	High governance reporting, management, and monitoring	Low governance reporting, management, and monitoring
88. Entity Environmental Impact Reporting, Management, and Monitoring	High environmental impact reporting, management, and monitoring	Low environmental impact reporting, management, and monitoring
89. Entity Social Impact Reporting, Management, and Monitoring	High social impact reporting, management, and monitoring	Low social impact reporting, management, and monitoring
90. Entity Governance Reporting, Management, and Monitoring		

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	740.00
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1)	(\$) 740.00
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2. EXTRA CLAIM FEES

		Extra Claims		Fee from below	Fee Paid
Total Claims	3	-20** =		X	
Independent Claims	1	-3** =		X	
Multiple Dependent					

	Large Entity	Small Entity
1. Revenue Recognition	Revenue is recognized when the performance obligation is satisfied, which is when control of the goods or services is transferred to the customer.	Revenue is recognized when the performance obligation is satisfied, which is when control of the goods or services is transferred to the customer.
2. Cost of Sales	Cost of sales is recognized when the revenue is recognized, and it is measured at the cost incurred to produce the goods or services.	Cost of sales is recognized when the revenue is recognized, and it is measured at the cost incurred to produce the goods or services.
3. Impairment of Financial Assets	Impairment of financial assets is recognized when there is a significant increase in the credit risk of the asset, and the impairment is measured at the difference between the carrying amount and the present value of the expected cash flows.	Impairment of financial assets is recognized when there is a significant increase in the credit risk of the asset, and the impairment is measured at the difference between the carrying amount and the present value of the expected cash flows.
4. Impairment of Non-Financial Assets	Impairment of non-financial assets is recognized when the carrying amount of the asset exceeds its recoverable amount, and the impairment is measured at the difference between the carrying amount and the recoverable amount.	Impairment of non-financial assets is recognized when the carrying amount of the asset exceeds its recoverable amount, and the impairment is measured at the difference between the carrying amount and the recoverable amount.
5. Provisions	Provisions are recognized when there is a present obligation as a result of a past event, and the obligation is measured at the best estimate of the amount required to settle the obligation.	Provisions are recognized when there is a present obligation as a result of a past event, and the obligation is measured at the best estimate of the amount required to settle the obligation.
6. Financial Instruments	Financial instruments are recognized when the entity has entered into a contract that gives rise to a financial asset or financial liability, and the instrument is measured at the fair value of the instrument.	Financial instruments are recognized when the entity has entered into a contract that gives rise to a financial asset or financial liability, and the instrument is measured at the fair value of the instrument.
7. Share-based Payments	Share-based payments are recognized when the entity has entered into a contract that gives rise to a financial asset or financial liability, and the payment is measured at the fair value of the instrument.	Share-based payments are recognized when the entity has entered into a contract that gives rise to a financial asset or financial liability, and the payment is measured at the fair value of the instrument.
8. Leases	Leases are recognized when the entity has entered into a contract that gives rise to a financial asset or financial liability, and the lease is measured at the fair value of the instrument.	Leases are recognized when the entity has entered into a contract that gives rise to a financial asset or financial liability, and the lease is measured at the fair value of the instrument.
9. Intangible Assets	Intangible assets are recognized when the entity has entered into a contract that gives rise to a financial asset or financial liability, and the asset is measured at the fair value of the instrument.	Intangible assets are recognized when the entity has entered into a contract that gives rise to a financial asset or financial liability, and the asset is measured at the fair value of the instrument.
10. Provisions	Provisions are recognized when there is a present obligation as a result of a past event, and the obligation is measured at the best estimate of the amount required to settle the obligation.	Provisions are recognized when there is a present obligation as a result of a past event, and the obligation is measured at the best estimate of the amount required to settle the obligation.

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)	(\$)
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****or number previously paid, if greater. For Reissues, see above**

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify)					

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)	(\$)
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SUBMITTED BY

Name (Print/Type)	Harold C. Baker
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Registration No. (Attorney/Agent)	19333
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Complete (if applicable)

Telephone 613 232 5300

Signature

Date 02/05/2002

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